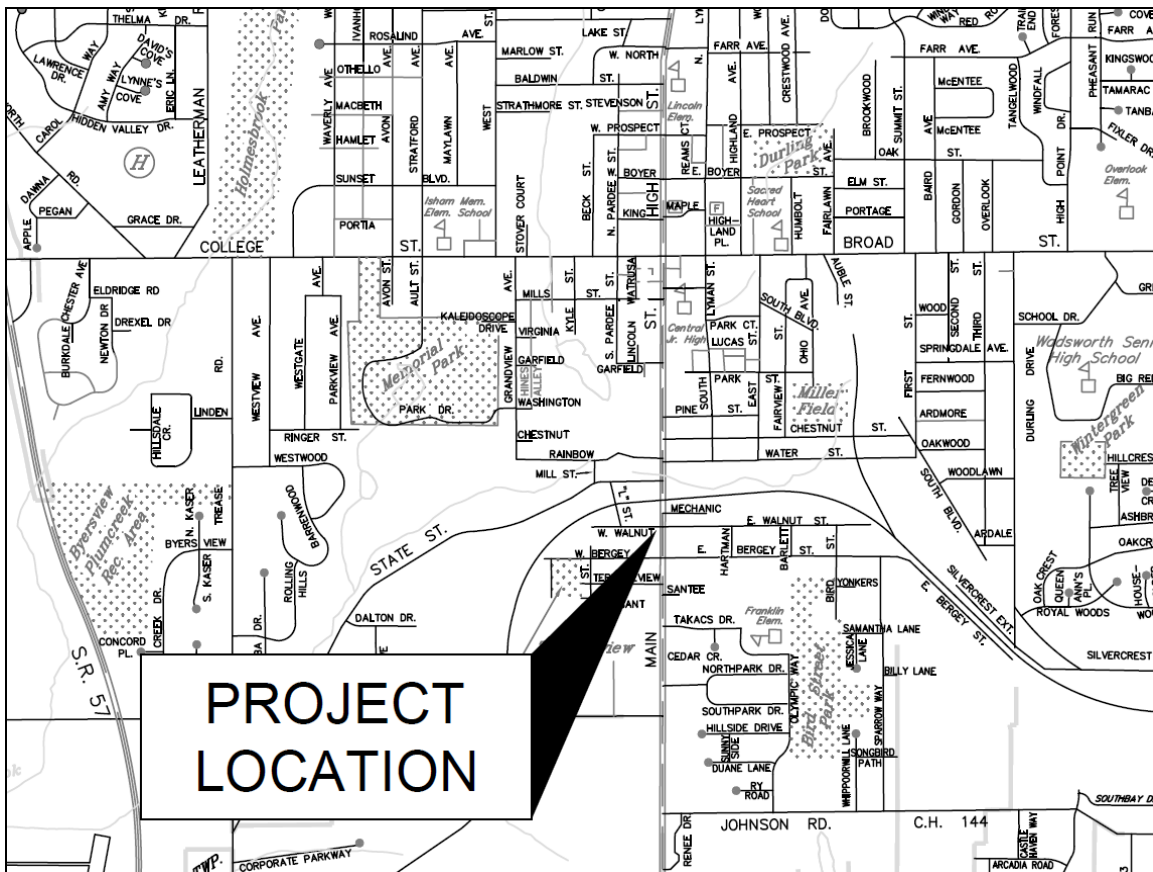


# REQUEST FOR QUOTES for City of Wadsworth, Ohio W. Walnut St. Sanitary Sewer Extension

September 2020



THIS PAGE INTENTIONALLY LEFT BLANK

## W. Walnut St. Sanitary Sewer Extension

### PROJECT SUMMARY:

This project consists of installing approximately 172 linear feet of new 8-inch sanitary sewer along West Walnut Street beginning at Main Street and heading west.

### PROJECT LOCATION:

This project is located along West Walnut Street, in the City of Wadsworth, Ohio.

### QUOTATION SUBMISSION:

Quotations are due by e-mail (vmccauley@wadsworthcity.org) or by mail. No hand delivered quotes will be accepted due to the uncertainty surrounding the COVID-19 pandemic. If mailed, the quotation shall be enclosed in a sealed opaque envelope bearing the name of the Quoter and marked "QUOTATION – WEST WALNUT STREET SANITARY SEWER EXTENSION" Quotations are to be addressed to Wadsworth City Engineering, City Hall, 120 Maple Street, Wadsworth, Ohio 44281 and must arrive by the deadline indicated below. If emailed, please include "QUOTATION – WEST WALNUT STREET SANITARY SEWER EXTENSION" in the subject heading. Please direct all general inquiries to Gina Brescilli, Engineering Project Manager at gbrescilli@wadsworthcity.org. Quotations must be received no later than **Thursday, October 8, 2020 at 1:00 P.M.**

### GENERAL:

The Contractor shall furnish all labor, components, materials, tools, and appurtenances necessary for the performance and completion of the contract.

Award of the contract will be determined through an evaluation of quotes and in the best interest of the City.

The Contractor will be held fully liable for any damages incurred that are caused by his or her negligence.

### INSPECTION HOURS:

An inspector from the City will be required on the job. Normal working hours are from 7:30 a.m. until 4:30 p.m., Monday through Friday. On work outside normal working hours, authorized by the City and requiring inspection, the Contractor will be billed for and shall pay for overtime hours. No weekend work will be allowed without 48 hour notice and approval from the City Engineer. The City Engineer reserves the right to deny weekend work if City Personnel is not available to cover the shift.

In the event that an inspector is needed that is not authorized for payment, or work that is due to the Contractor's negligence or poor workmanship, or that is beyond the time of completion of the project, the Contractor will be billed for and shall pay for the inspector's hours.

CITY ENGINEER:

Except as otherwise provided in this agreement the City Engineer, under the direction of the Director of Public Service, shall act as the City's representative in regard to this contract. The City Engineer shall in all cases determine the amount, quality, acceptability and fitness of the work and materials which are to be paid for under this contract. The City Engineer shall determine all questions in relation to said work and the performance thereof and decide every question which may arise regarding the fulfillment of this contract on the part of the Contractor. The City Engineer shall provide the Contractor with construction documents from which the work is to be built.

The order of sequence of execution of the work, the methods of construction, and the general conduct of the work shall at all times be determined by the Contractor, subject to the approval of the City Engineer. If, at any time before the commencement or during the progress of the work or any part of it, such methods, features and appliances used or to be used appear to the City Engineer to be unsafe, insufficient or improper, the City Engineer may order the Contractor to increase their safety or efficiency or to improve their character and the Contractor shall conform to such order. The failure of the City Engineer to demand any such increase of safety, efficiency, adequacy or improvement shall not release the Contractor from its obligation to secure the safe conduct and quality of the work specified. The City shall not be liable for failure to issue an order pursuant to this paragraph.

If defective work is suspected and the City Engineer so requires, the Contractor shall uncover, take down, or make openings in the finished work for the purpose of examination at such points as the City Engineer designates.

If, at any time before the final acceptance of the work, any materials or workmanship shall be discovered which does not comply with the specifications and contract drawings, it shall be immediately removed or otherwise remedied by the Contractor as the City Engineer directs when the Contractor is notified in writing by the City Engineer to do so.

If the City finds it to be necessary and proper to do so, the City may designate an engineer or engineering firm other than the City Engineer to perform the functions assigned to the City Engineer under the terms of this contract. When the Contractor is notified by the City in writing of such designation, the engineer or engineering firm so designated shall perform the functions and exercise the power assigned to the City Engineer pursuant to this contract.

CITY RIGHTS:

- A. The City reserves the right to stop the work when in the City's judgment the Contractor's work or activities are threatening the health and safety of the public or endangering the environment or endangering the waters of the State. Work shall not proceed until a satisfactory resolution has been achieved, according to the City.
- B. No Contractor or Subcontractor will perform any work not specifically identified in the work schedule unless approved by the City.

EMERGENCY RESPONSE:

The Contractor shall provide direct contact information to the City. These numbers are intended for the City's use in contacting the evening/weekend/holiday emergency work crew for emergencies resulting from the Contractor's actions or lack thereof during this project. This crew shall be responsible for contacting the City within one-half hour after the first verbal and electronic notification. If the Contractor's crew has not responded to the site of the emergency within one hour of the first contact, verbal and electronic, the City will make all necessary repairs and bill the Contractor for all work performed. Costs related to the emergency response will be incidental to the contract and not measured for payment.

DECREASE/INCREASE IN SERVICE AND STOP WORK DUE TO INCLEMENT WEATHER:

The City, at its option, may increase or decrease any or all bid items or service requirements provided for under this contract. The City further reserves the right to suspend or stop the performance of any or all of the work of this contract due to inclement weather conditions.

PRE-CONSTRUCTION MEETING:

- A. Following award of the contract and before starting any work the Contractor, Job Superintendent/Project Manager, and Crew Leader shall meet with the City. The Contractor will be notified of the date, time, and place of the meeting.
- B. The Contractor shall submit the following information at the pre-construction meeting:
  - a. A list of 24 hour emergency contact names and numbers for the contractor and any subcontractors.
  - b. A written construction schedule indicating dates anticipated to start the various operations, milestones and duration of road closure. The Contractor shall revise and resubmit the schedule for any changes during the duration of the project.
  - c. Pre-construction video tape
  - d. Maintenance of Traffic plan.
  - e. Sample of notifications to the property owners including contact information for the Contractor and/or subcontractor performing the work. The notices shall also include a timeline for driveway ingress/egress to be impacted.

MAINTENANCE OF TRAFFIC:

The Contractor shall maintain traffic in accordance with the current Ohio Manual of Uniform Traffic Control Devices (OMUTCD) and standard practices stated therein or as specifically indicated in these documents, if more stringent. The contractor shall supply and maintain adequate signs, barricades, lights, arrows, flaggers, etc, as necessary to comply with the OMUTCD.

No construction signs shall be placed on existing poles or posts.

The use of at least 2 flaggers is required when controlling bidirectional traffic regardless of traffic volume.

If a separate bid item for MOT is not listed in the proposal then all Maintenance of Traffic is required as specified in the OMUTCD and the cost will be paid as part of the items specified needing maintenance of traffic. This includes all temporary pavement markings.

If a separate bid item for MOT is listed in the proposal, review the written specification for any specifics to the project. The cost for Maintenance of Traffic may be paid separately if listed as a separate bid item. The cost of all temporary pavement markings shall be included in the MOT bid item(s).

If the project requires a moving operation (for example: grinding, milling, painting, paving, etc.), OMUTCD Figure TA-10 or ODOT Standard Construction Drawing MT-97.11 shall be followed.

Through traffic must be maintained at all times on Main Street and West Walnut Street. Lane closures will be allowed during construction operations. All lane closure shall be removed at the completion of each days work. Prior to opening the work zone to traffic, all excavations shall be maintained as stated in the plans and the pavement shall be thoroughly swept. Dust control shall be applied as necessary, at no additional cost to the City.

All lane closure shall be held to a minimum distance. Several small work zones close together shall be combined into one work zone if possible. Lane closures shall be held to a maximum distance of 1000' unless approved by the Engineer. If the contractor has multiple lane closures, there must be at least 500' between them.

A minimum of one lane must be available to allow for two-way traffic on Main Street. Flaggers will be required as necessary in accordance with the OMUTCD and/or the FHWA guidelines to properly and safely control traffic during lane closures.

Access to private drives shall be maintained whenever reasonably possible. Closure of any drives shall be approved by the City. Backfilling of any trench shall be completed as soon as reasonably possible to minimize the amount of time that access is denied to private drives. All driveways must be backfilled and in usable condition at the end of each day's work.

The Contractor shall also correct any trench settlement associated with the project that is considered by the City to be a safety hazard to the vehicular or pedestrian traffic. The cost of trench maintenance shall be included in the price bid for the project for Maintenance of traffic; no additional payment will be made for maintaining trenches.

The Contractor will be required to provide the necessary traffic control to comply with the Ohio Manual of Uniform Traffic Control devices. Temporary traffic control shall be provided, consisting of signs, barricades, warning lights, flaggers, and any other devices required to safely alert and guide motorists through the construction area. Temporary traffic control devices must

be installed by the Contractor prior to the start of any work, and must be maintained for the period of time that roadway restrictions apply. When such control devices are no longer applicable, they shall be covered or removed from the work area.

For nighttime durations, flasher warning lights will be required for all excavated areas within an intersection proper, and along any excavated areas where traffic passes immediately next to it. The Contractor will be required to maintain flashers at the specified locations and repair all non-working flashers.

The Contractor will be responsible for routine maintenance, and for checking all barricades, lights, signs, and other traffic control devices before leaving the project at the end of each day, and must provide the City with the name and phone number of a person to contact during evening and weekend hours in the event that problems with the traffic control devices are encountered.

The Contractor shall give the City a minimum of a 24 hour notice when street or traffic signs need to be removed. The Contractor will then remove and store the signs, and reset them when construction work in the affected area is completed.

If, in the opinion of the City Engineer, the Contractor refuses to provide proper traffic control or maintenance of control devices, the City may take the necessary steps to correct such conditions, the cost of which will be deducted from the contract amount.

#### USE OF PREMISES:

- A. The Contractor shall not trespass upon or in any way disturb private property without first obtaining written permission from the property owner and/or City or Prime Contractor as appropriate to do so. A copy of such written permission shall be furnished to the City prior to accessing the site.
- B. If the Contractor finds it necessary to obtain additional working area, it shall be the Contractor's responsibility for its acquisition.
- C. The Contractor shall, at no additional expense, restore such property to the original condition in the sole and unfettered opinion of the City. The Contractor must take photographs and/or videos of existing properties prior to disturbance of each property, and make a copy available to the City.

#### PHOTOGRAPHY, TRAIL CAMERAS, AND WEB-CAMERAS:

The Contractor's work may be photographed and videoed during construction.

#### VIDEO TAPING OF EXISTING CONDITIONS WITHIN THE PROJECT LIMITS

For the purpose of documenting the existing conditions at the site prior to the proposed construction, the contractor shall perform a video inspection of the existing conditions within the entire project limits. Still photographs of higher risk areas are also required. If separate bid

items for video-taping and photographing are not listed in the bid, the cost shall be included with other items and shall be incidental to other items in the contract.

The inspection shall be video recorded in digital format. The recording shall be of high quality, in good focus, and have adequate lighting. The footage from the video shall be steady, clear, and not shaking. Panning rates and zoom-out rates shall be controlled sufficiently so that playback will produce adequate clarity of the object being viewed. The view shall be clear of water drops or condensation building up on the lens.

The video shall be clearly labeled with the project name, location, and the date of the video. The video shall be arranged as such that the viewer can clearly determine where the footage is filmed. Building numbers shall be provided for each photograph taken and provided as a location reference in the video as applicable.

Starting at the beginning of the project, the video shall show the existing conditions along the entire project including the limits of construction up to the end of the project. Video shall include the full width of right-of-way, pavement limits, and adjacent properties. The video shall show continuous coverage of the project and not skip any areas. The recording shall be augmented with audio voice recording describing what is being seen and approximately where on the site the area or item being viewed is located.

If filming is done from a moving vehicle, the footage shall be dampened from the oscillation (or shaking) of the vehicle. Also, the video shall not be taken at a speed faster than 5 miles per hour. Inferior quality video will not be accepted by the City.

The video shall document all existing man-made structures such as roads, bridges, driveways, sidewalks, mailboxes, trees, fences, buildings, bushes, landscaping, curbs, and other items within the construction limits. All visible existing utilities such as electric, telephone, water, sewers, and gas lines shall be filmed. The video shall also show all existing ditches, drainage swales, storm sewers and structures, and visible drainage tiles. Any unusual feature shall also be filmed.

The contractor shall provide 1 copy of the video and photographs on a flash-drive or a preapproved electronic format.

The Contractor shall be responsible for repairing any damage or defect not documented as existing prior to construction. It is in the Contractor's interest that this record be as inclusive as possible, to protect the Contractor and the City from false claims of private and public property damaged by the Contractor's operations.

Filming shall be complete prior to the delivery of any equipment, materials, or supplies to the site of any work, and prior to the beginning of any construction work.



Acceptance of the video and photography by the City does not relinquish the Contractor of his responsibility to adequately document the existing site conditions.

The cost of this work shall be incidental to the contract and not measured for payment.

CLEANUP:

The Contractor shall keep the work area in an uncluttered condition by the frequent removal of debris. The Contractor shall remove all debris and unused material and leave the area in a condition similar to the condition of the area before any work was performed.

ACCESS TO MUNICIPAL WATER SUPPLIES:

All water used on the project may be furnished by the City at the city water treatment plant, free of charge, but subject to the needs of the City and its control. All apparatuses and vehicles filling off the water treatment plant's bulk water line shall have an air gap as approved by the City. Fire hydrants shall not be used as a source of water.

SPOIL MATERIAL:

Spoil material from the job shall be hauled by the Contractor to a suitable site with the express written permission of the owner of the property where the material is to be dumped. If disposal area is within the City of Wadsworth, the contractor must submit and obtain an approval of a grading plan showing the fill will not impact drainage, wetlands, streams, structures, easements or utilities. Proper erosion controls measures shall be installed at the disposal site.

STAGING AREA:

Staging areas other than what is depicted on the plans will have to be negotiated by the contractor with a land owner and a copy of the written agreement submitted to the City.

PROTECTION OF CATCH BASINS, INLETS AND WATERWAYS:

The Contractor must properly protect all catch basins, inlets, and waterways. No sediment, concrete wash, construction debris or residuals shall enter the storm system at any time. Proposed protection plan must be submitted and approved by the City prior to the work commencing. If the measures do not adequately protect the system, the Contractor shall remedy the issue immediately.

The cost of this work shall be incidental to the contract and not measured for payment. The cost of all measure shall not be paid separately, but shall be included in the other price items in the contract.

ROAD OPENINGS:

No trenches, pavement removal areas, excavations, and road openings shall remain open during a weekend or over a holiday. Additionally, no trenches, pavement removal areas, excavations, and road openings shall remain open overnight if the contractor isn't actively working onsite the next day.

STATE COMPENSATION AND INSURANCE:

The Contractor shall be required to furnish certificate showing that he has complied with the Ohio Workers' Compensation Act and shall relieve the City from any and all costs and expenses which may be due to accidents or other liabilities mentioned in said Act.

- A. Workers' Compensation Insurance: The Contractor shall procure and shall maintain during the life of this contract Workers' Compensation Insurance for all his employees to be engaged in work on the project under this contract and, in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Workers' Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workers' Compensation Insurance.
- B. Proof of Carriage of Insurance: The Contractor shall furnish the City with satisfactory proof of carriage of the insurance required. Three copies of each are required.
- C. Public Liability and Property Damage Insurance, Contingent Public Liability and Contingent Property Damage Insurance: The Contractor shall take out and maintain during the life of the contract, such Public Liability (Contractor's Public Liability), Contingent Public Liability (Contractor's Property Damage) Insurance, and Contingent Property Damage (Contractor's Protective Property Damage) Insurance as shall protect him and any subcontractor performing work covered by this contract from claims for damages for personal injury including accidental death as well as claims for property damages which may arise from operations under this contract, whether such operations be by himself or by any subcontractor or by anyone directly or indirectly employed by either of them. The Contractor shall maintain coverage of the types and in the amounts herein below specified for all work sublet, either by furnishing riders to his own Public Liability and Property Damage Insurance Policies or by requiring the subcontractor concerned to furnish their own Public Liability and Property Damage coverage in the amounts herein below specified. The amounts of such insurance shall be as follows:

Public Liability and Contingent Public Liability Insurance in an amount not less than \$1,000,000 for injuries, including accidental death, to any one (1) person, and subject to the same limit for each person in an amount not less than \$1,000,000 on account of each accident.

Direct and Contingent Property Damage Insurance in an amount not less than \$1,000,000 for each occurrence.

Insurance covering the Contractor and subcontractors may be accepted by the City in amounts less than those herein above specified, provided that the following conditions shall be fulfilled:

- a. The Contractor shall furnish evidence satisfactory to the City that the insurance coverage offered is adequate for the risk involved.
- b. The Contractor shall give to the City a money credit equal in amount to the difference between premium on insurance in the amounts herein above specified and the premium on the insurance offered.

Insurance, to be acceptable, must not be subject to change or cancellation in less than ten (10) days after receipt of notice by the insured and by the City. Prior to the start of construction on each contract or subcontract, sufficient documentary evidence to establish full compliance with these insurance requirements shall be submitted to the City. If any part of the contract is sublet, the Contractor is responsible for the part sublet being adequately covered by insurance herein above mentioned.

**INDEMNIFICATION:**

The Contractor agrees to indemnify and to hold City harmless and immune from any and all claims for injury or damages arising from this agreement which are attributable to Contractor's own actions or omissions or those of its officers, agents, employees, subcontractors, suppliers or third parties utilized by Contractor while acting under this agreement. Such claims shall include all claims for bodily injury, personal injury and property damage that may arise from Contractor's and its subcontractor's operations in performance of the work and any claims made under the Fair Labor Standards Act or under any other federal or state law involving wages, overtime or employment matters and any claims involving patents, copyrights and trademarks.

**PREVAILING WAGES:**

The Contractor must comply with the prevailing wage rates on public improvements in Medina County, Ohio as determined by the Ohio Department of Commerce, Division of Labor and Worker Safety, Wage and Hour Bureau. Pursuant to section 4115.06 of the Ohio Revised Code, Contractor and all of its subcontractors shall pay a rate of wages which shall not be less than the rate of wages fixed as a prevailing rate of wages under section 4115.04 of the Revised Code. Contractor hereby warrants and represents to City that neither the Contractor or any of its subcontractors or any officer of Contractor or any of its subcontractors appears on the list filed by the Director of Commerce with the Secretary of State pursuant to section 4115.13 of the Ohio Revised Code of contractors, subcontractors and officers of contractors and subcontractors who have been prosecuted and convicted for violations of or have been found to have intentionally violated sections 4115.03 to 4115.16 of the Revised Code.

**WORKERS' COMPENSATION:**

Contractor shall procure and shall maintain during the life of this contract workers' compensation insurance for all its employees to be engaged in work on the project under this contract and, in case any such work is sublet, Contractor shall require the subcontractor similarly to provide workers' compensation insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by

Contractor's workers' compensation insurance. Contractor shall be required to furnish a copy of a certificate showing that it has complied with the Ohio Workers' Compensation Act and shall relieve City from any and all costs and expenses which may be due to accidents or other liabilities mentioned in said Act.

**WITHHOLDING CITY INCOME TAXES:**

The Contractor hereby further agrees to withhold all City of Wadsworth income taxes due or payable under the provisions of the Title Eight of Part One of the Codified Ordinances of the City of Wadsworth, Ohio, for wages, salaries, and commissions paid to its employees and further agrees that any of its subcontractors shall be required to agree to withhold any such City of Wadsworth income taxes due under said Title for services performed under this contract.

**PAYMENT OF WITHHELD FUNDS**

A retainage of 8% for the first 50% of the original contract amount may be withheld at the City's discretion.

At the Contractor's option, if the City withholds retainage, the Contractor may request that the City deposit the retainage into an escrow account. The City's deposit of retainage into an escrow account is subject to the following conditions:

- a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the City.
- b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the City and having a value not less than the retainage that would otherwise be withheld from partial payment.
- c. The Contractor shall enter into an escrow agreement satisfactory to the City.
- d. The Contractor shall obtain the written consent of the surety to such agreement.
- e. The Contractor must advise the City of their desire for retainage to be held in escrow prior to submission of the first invoice for payment.

**TIME OF COMPLETION:**

The Contractor shall complete all work activities included in this contract as defined in this RFQ, Contract Documents and the Agreement between City and Contractor based on the Time of Completion table shown below:

<b>Time of Completion Table</b>	
<b>Milestone</b>	<b>Date</b>
Installation of sanitary sewer, manholes, backfill, and final surface restoration	November 20, 2020
Substantial Completion	January 8, 2021
Final Completion	March 5, 2021

For the purposes of this contract the following definitions shall apply:

Substantial Completion shall mean the Work of the Contract has progressed to the point where the Work (or a specific part of the Work) is essentially and satisfactorily complete in accordance with the Contract Documents, as modified by approved Change Orders, Field Orders or a Minor Change in Work, and is ready for full occupancy or use by the City in the manner intended without inconvenience or discomfort and includes all local, state and federal approvals, permits and licenses required by all governmental agencies having jurisdiction over the Project. The determination by the City Engineer on the status of Substantial Completion shall generally but not specifically mean or include: all materials, features, underground facilities, accessories and similar elements are installed in the proper manner and in operating condition; masonry and concrete cleaned with any sealer or other finish applied; and other work to a similar state of essential and satisfactory completion. A minor amount of work, as determined by and at the discretion of the City, such as installation of minor accessories or items, a minor amount of painting, seeding, landscaping, minor replacement of defective work, minor adjustment of controls, completion or correction of minor site or exterior work that cannot be completed due to weather conditions, will not delay the determination of Substantial Completion.

Final Completion shall mean when all of the Work of the Contract Documents completely fulfills all of the terms of the Contract Documents without exception. This includes the submission of all final close-out paperwork of the Contract.

**CONTRACTOR FINAL PROJECT DOCUMENTATION:**

Approval of final payment to the Contractor is contingent upon completion and submittal of the items listed below. The final payment will not be approved until the City approves the Contractor's final submittal. The Contractor shall:

- a. Provide weekly payroll records (not previously received) from the general Contractor and all subcontractors.
- b. Complete final cleanup.
- c. Complete all punch list items identified during the Final Inspection.
- d. Redlined, as-built drawings
- e. Provide complete release of all claims for labor and material arising out of the Contract.
- f. All other close-out documents required by the Owner

**LIQUIDATED DAMAGES:**

The Contractor shall complete all work activities included in this contract as defined in the General Conditions to the Agreement between City and Contractor based on the Time of Completion table. If the Contractor does not meet the contract schedule the liquidated damages shown below will be applied:

**Liquidated Damages Table**

<b>Milestone</b>	<b>Liquidated Damages Amount per Calendar Day</b>
Substantial Completion	\$400.00

Delays caused by weather and seasonal conditions should be anticipated and will be considered as the basis for an extension of time when the Contractor's approved project schedule depicts Work on the critical path and the actual workdays lost exceed the number of work days lost each month determined by the table below.

<b>Month</b>	<b>Number of Workdays Lost Due to Weather</b>
January	8
February	8
March	7
April	6
May	5
June	5
July	4
August	4
September	5
October	6
November	6
December	6

This table applies to the duration between the Notice to Proceed and original completion date. Extensions for weather days beyond the original completion date will be for the actual workdays lost each month.

The City Engineer will not consider weekends and holidays as lost workdays unless the Contractor normally works those days or unless the City Engineer directs the Contractor to work those days.

A weather day is defined as a workday that weather or seasonal conditions reduced production by more than 50 percent on items of work on the critical path. Submit the dates and number of weather days in writing to the City Engineer at the end of each month. In the event the Contractor fails to submit weather days at the end of each month the City Engineer will determine the dates and number of weather days from project records.

## **PART 1 - GENERAL**

The City of Wadsworth refers to Ohio Department of Transportation Construction and Material Specifications for many items of work included in this bid. For this project we will be referring to the 2019 version of the ODOT C&MS unless stated otherwise. Any item differing from the ODOT C&MS 2019 will refer to a particular year, be noted "As Per Plan," or be specified as "Special."

1. The City is seeking a qualified contractor to perform sanitary sewer construction and related work. The scope of work is to provide all supervision, labor, tools, equipment, and services required to perform concrete work as specified herein. Contractor shall furnish all necessary supervision, labor, equipment, tools, and transportation, and other resources for excavation, installation and hauling for all sanitary sewer construction and related work.
2. The Price bid for each item shall cover and shall be considered full compensation for the furnishing of all labor materials, equipment and incidentals necessary to complete all proposed, as set forth in the details and specifications and shall include the following:
  - a. All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents and as necessary to comply with local, state, and federal codes.
  - b. Project coordination and scheduling.
  - c. All provisions necessary to protect workmen, the general public, and property along the work.
  - d. Reimbursement to City for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
  - e. All erosion control measures commensurate with the Contractor's means and methods.
  - f. Maintenance of Traffic.
  - g. Mobilization/Demobilization
  - h. Bonds and Insurances
  - i. All Construction Layout Staking
  - j. All preconstruction video-taping
  - k. Any and all saw cutting, excavation, pavement removal, disposal, backfill, compaction, joint sealing, doweling, resetting castings to grade, surface restoration, lawn restoration, etc.

## **PART 2 – SCOPE OF WORK**

The work covered under this contract includes removal and replacement of asphalt concrete pavement. The pavement maybe somewhat variable in thickness. Before starting any streets, the Contractor shall check all existing grades of the roadway or project area. The contractor shall be responsible to adjust grades of the centerline, gutter, curb inlets and sidewalk with the

approval of the City, to insure that there will be no issues of standing water at the completion of their work. The Contractor shall furnish all labor, materials, equipment, machinery, apparatus and tools, and perform all operations necessary to complete the work specified. Any labor, material, equipment or apparatus not specifically mentioned herein, which may be found necessary to complete or perform any portion of work in a substantial manner and in compliance with the requirements stated or implied by the specifications, shall be furnished by the Contractor without additional compensation.

The contractor shall sequence their work as such that all commercial, apartment buildings, and industrial businesses have access at all times. This may require phasing work, utilizing plates, temporary drives, etc. without additional compensation.

The Contractor shall submit a Maintenance of Traffic plan for all areas of work for approval by the Engineer.

### **PART 3 – BID ITEMS**

#### **Item 1 – ODOT 611, 8” Sanitary Sewer, As Per Plan**

The price bid for this item shall include the furnishing of all labor, materials, equipment and incidentals necessary to excavate (regardless of type of material-including rock), bed, backfill, install, and test 8” sanitary sewer in accordance with ODOT 611 as modified by the City of Wadsworth in the plans and Detailed Specifications.

Pipe bedding shall be in accordance with City of Wadsworth Standard Drawing PIPE-01 and ASTM D2321. Final backfill shall be in accordance with PIPE-01 in locations outside of the asphalt roadway at the intersection of Main Street and West Walnut Street. Final backfill shall be LSM flowable fill in accordance with ODOT 613 for all pipe under the asphalt roadway at the intersection of Main Street and West Walnut Street.

Pipes shall be installed as shown in the details using PVC SDR-35 Sanitary Sewer Pipe, Type B, in accordance with ODOT Specification 611. Material meeting ODOT specifications 707.45 will be accepted for these items. All joints shall conform to ASTM D3212.

All sanitary sewers with less than 4 feet of cover shall be insulated with a 2-inch exterior grade rigid insulation board. Insulation shall have a minimum R-value of R-9, and comply with ASTM C 578-15 Type VI (minimum). Insulation boards shall be 2 feet wide. Boards shall be placed 6-inches above the pipe and extend down the sides of pipe to 6-inches below the pipe invert.

Contractor shall be responsible for completing deflection testing at least 30 days after final full backfill has been placed over the sewer. No pipe shall exceed a deflection of 5 percent of the inside diameter. The deflection test may be performed by pulling mandrels, having diameters equal to 95% of the inside diameter of the pipe, through the new sewer line. Tests shall be performed without mechanical pulling devices and approval will be based on a ‘go’ or ‘no go’



result. If deflection exceeds 5 percent, the pipe shall be replaced by the Contractor at no additional cost to the City.

The Contractor may elect to use either an infiltration water test or exfiltration water test for gravity sewers after backfilling is completed. The maximum allowable leakage inward or outward (infiltration or exfiltration) for any sanitary sewer tested, including all manholes, is 100 gallons per inch of diameter per mile of pipe per day. Manholes may be tested separately. An exfiltration or infiltration test shall be performed with a minimum positive head of 2 feet.

The Contractor may elect to use an infiltration test when the height of the groundwater table is 2 feet or more above the top of the pipe barrel, including house services, at the highest point of the section being tested.

When the exfiltration test is selected, the inlet ends of the upstream and downstream manholes shall be closed with a watertight bulkhead, and the sewer along with the upstream manhole shall be filled with water until the elevation of the water in the upstream manhole is 2 feet higher than the top of the pipe barrel, including house services, in the section being tested, or 2 feet above the existing groundwater in the trench, whichever is the higher elevation. The entire length of section to be tested shall be filled and maintained full of water for a period of approximately 24 hours prior to the start of the test. If the water level in the upper manhole has dropped during the 24 hour period, the level shall be raised to the test elevation mark prior to the measurement of leakage. The exfiltration will be determined by measuring the amount of water required to maintain the above stated water elevation for a period of 1 hour from the start of the test. The allowable leakage is based on a maximum difference in elevation of 8 feet between the level of water at the upper manhole and the invert of the pipe being tested in the lower manhole. If the difference in elevation exceeds 8 feet, the allowable leakage shall be increased 5 percent for each 1 foot in excess of 8 feet.

This item shall include all operations necessary to remove the roadway pavement in accordance with the plan details and this pay item at locations of pavement disturbance resulting from the installation of the sanitary sewer. All saw cutting is to be included in this item, including sawcutting to clean up the edges of the trenches prior to pavement replacement. Additional pavement damaged will be replaced at the contractor's expense. Undermined pavement shall be removed and the undermined area repaired to the satisfaction of the City at no cost to the City.

The price bid for this item shall also include the furnishing of all labor, materials, equipment and incidentals necessary to complete trench repair resulting from installation of the sanitary sewer and appurtenances in accordance with applicable ODOT specifications as modified in the City Wadsworth Standard Detail PIPE-01, the plans and Detailed Specifications.

Asphalt roadway repair located in the intersection of West Walnut Street and Main Street shall be completed within two working days of installing and backfilling the pipe and manhole within the roadway limits.

Surface repair in aggregate drives shall include furnishing of all labor, materials, equipment and incidentals necessary to install aggregate in accordance with ODOT 304. Areas to be seeded shall include all labor, materials, incidentals, and equipment required to place 4-inches of topsoil and to seed and mulch in accordance with ODOT Specification 659. A lawn mix conforming to ODOT CMS Table 659.09-1 Lawn Mix shall be used.

Payment for this item will be per LINEAR FOOT of 8" sanitary sewer installed, tested, and accepted by the Engineer.

**Item 2 – ODOT 611, Sanitary Manhole No. 1, As Per Plan**

The price bid for this item shall include all labor, materials, incidentals, and equipment required to excavate, backfill, install, and test Sanitary Manhole No. 1 in accordance with ODOT 611 as modified by the City of Wadsworth in the plans and Detailed Specifications.

Install structures as shown on the plans and standard construction drawings. Maintain flows at all times until the new facilities are completed and in service.

Visually inspect all precast drainage structures before they are placed. Replace all structures that are damaged as determined by the Engineer.

Install each structure casting to the elevation, station, and offset shown on the plans. Any deviations must be approved by the Engineer. If the Engineer does not approve the deviation, stop all related work until the structure is reinstalled. The offset is to the center of the casting. Place each manhole base so that it is in alignment with the pipe and its invert elevation according to the standard construction drawings.

Locate or cut conduits so any protrusion inside the structure wall is minimized. Inlet and outlet pipes shall be joined to the manhole with a gasketed watertight connection.

Set iron frames, tops, and covers in mortar with a flush joint.

Prevent earth or debris resulting from construction operations from entering the structure. Remove any debris resulting from construction.

Take adequate precautions to prevent concrete or mortar from freezing. Preheat the brick, concrete block, or precast concrete structure throughout the entire mass to a temperature between 50 to 80 degrees F (10 to 27 degrees C) before placing mortar if the ambient temperature is 40 degrees F (4 degrees C) or less.

The Contractor shall us an exfiltration water test for sanitary manholes after backfilling is completed. The maximum allowable leakage outward (exfiltration) for any sanitary manhole

tested is 0.23 gallons per foot of manhole diameter per foot of manhole depth per day. An exfiltration test shall be performed with a minimum positive head of 2 feet.

The inlet and outlet pipes shall be closed with a watertight bulkhead, and the manhole shall be filled with water until the manhole is full. The manhole to be tested shall be filled and maintained full of water for a period of approximately 24 hours prior to the start of the test. If the water level in the manhole has dropped during the 24 hour period, the level shall be raised to the test elevation mark prior to the measurement of leakage. The exfiltration will be determined by measuring the amount of water required to maintain the above stated water elevation for a period of 1 hour from the start of the test.

If water loss exceeds allowable rates, the Contractor shall locate leaks, complete repairs necessary to seal manhole and repeat test procedure until satisfactory results are obtained at no additional cost to the City.

This item shall include all operations necessary to remove the roadway pavement in accordance with the plan details and this pay item at locations of pavement disturbance resulting from the installation of the sanitary sewer. All saw cutting is to be included in this item, including sawcutting to clean up the edges of the trenches prior to pavement replacement. Additional pavement damaged will be replaced at the contractor's expense. Undermined pavement shall be removed and the undermined area repaired to the satisfaction of the City at no cost to the City.

The price bid for this item shall also include the furnishing of all labor, materials, equipment and incidentals necessary to complete surface repair resulting from installation of Sanitary Manhole No. 1 in accordance with applicable ODOT specifications as modified in the City Wadsworth Standard Detail PIPE-01, the plans and Detailed Specifications.

Asphalt roadway repair located in the intersection of West Walnut Street and Main Street shall be completed within two working days of installing and backfilling the pipe and manhole within the roadway limits.

Surface repair in aggregate drives shall include furnishing of all labor, materials, equipment and incidentals necessary to install aggregate in accordance with ODOT 304. Areas to be seeded shall include all labor, materials, incidentals, and equipment required to place 4-inches of topsoil and to seed and mulch in accordance with ODOT Specification 659. A lawn mix conforming to ODOT CMS Table 659.09-1 Lawn Mix shall be used.

Payment for this item shall be made on a unit price basis for EACH Sanitary Manhole No. 1 installed and accepted by the Engineer.

### **Item 3 – ODOT 611, Sanitary Manhole No. 2, As Per Plan**

The price bid for this item shall include all labor, materials, incidentals, and equipment required to excavate, backfill, install, and test Sanitary Manhole No. 2 in accordance with ODOT 611 as modified by the City of Wadsworth in the plans and Detailed Specifications.

Install structures as shown on the plans and standard construction drawings. Maintain flows at all times until the new facilities are completed and in service.

Visually inspect all precast drainage structures before they are placed. Replace all structures that are damaged as determined by the Engineer. Contractor may cast manhole in place if the final product can pass testing as required in these specification, is water tight, and meets elevations as shown in the plans. Any manholes that fail inspection and testing shall be repaired or replaced by the Contractor at no additional cost to the City.

Install each structure casting to the elevation, station, and offset shown on the plans. Any deviations must be approved by the Engineer. If the Engineer does not approve the deviation, stop all related work until the structure is reinstalled. The offset is to the center of the casting. Place each manhole base so that it is in alignment with the pipe and its invert elevation according to the standard construction drawings. Use flat slab top manholes as shown on ODOT standard construction drawing MH-1.2. Do not remove the flat slab top manhole lifting devices. Contractor shall use low profile casting to meet elevations shown on the plans. Castings shall be East Jordan 1000, Neenah R-1538, or approved equal.

Contractor shall pour concrete bench in accordance with City of Wadsworth standard drawing SAN-01. The contractor may fill invert of manhole with up to 4-inches of concrete if elevations cannot be met using standard precast methods. If a precast manhole is not available in accordance with the plans and detailed specifications, the Contractor shall cast the manhole in place at no additional cost to the City.

Locate or cut conduits so any protrusion inside the structure wall is minimized. Inlet and outlet pipes shall be joined to the manhole with a gasketed watertight connection.

Set iron frames, tops, and covers in mortar with a flush joint.

Prevent earth or debris resulting from construction operations from entering the structure. Remove any debris resulting from construction.

Take adequate precautions to prevent concrete or mortar from freezing. Preheat the brick, concrete block, or precast concrete structure throughout the entire mass to a temperature between 50 to 80 degrees F (10 to 27 degrees C) before placing mortar if the ambient temperature is 40 degrees F (4 degrees C) or less.

The Contractor shall use an exfiltration water test for sanitary manholes after backfilling is completed. The maximum allowable leakage outward (exfiltration) for any sanitary manhole

tested is 0.23 gallons per foot of manhole diameter per foot of manhole depth per day. An exfiltration test shall be performed with a minimum positive head of 2 feet.

The inlet and outlet pipes shall be closed with a watertight bulkhead, and the manhole shall be filled with water until the manhole is full. The manhole to be tested shall be filled and maintained full of water for a period of approximately 24 hours prior to the start of the test. If the water level in the manhole has dropped during the 24 hour period, the level shall be raised to the test elevation mark prior to the measurement of leakage. The exfiltration will be determined by measuring the amount of water required to maintain the above stated water elevation for a period of 1 hour from the start of the test.

If water loss exceeds allowable rates, the Contractor shall locate leaks, complete repairs necessary to seal manhole and repeat test procedure until satisfactory results are obtained at no additional cost to the City.

This item shall include all operations necessary to remove the roadway pavement in accordance with the plan details and this pay item at locations of pavement disturbance resulting from the installation of the sanitary sewer. All saw cutting is to be included in this item, including sawcutting to clean up the edges of the trenches prior to pavement replacement. Additional pavement damaged will be replaced at the contractor's expense. Undermined pavement shall be removed and the undermined area repaired to the satisfaction of the City at no cost to the City.

The price bid for this item shall also include the furnishing of all labor, materials, equipment and incidentals necessary to complete surface repair resulting from installation of Sanitary Manhole No. 1 in accordance with applicable ODOT specifications as modified in the City Wadsworth Standard Detail PIPE-01, the plans and Detailed Specifications.

Surface repair in aggregate drives shall include furnishing of all labor, materials, equipment and incidentals necessary to install aggregate in accordance with ODOT 304. Areas to be seeded shall include all labor, materials, incidentals, and equipment required to place 4-inches of topsoil and to seed and mulch in accordance with ODOT Specification 659. A lawn mix conforming to ODOT CMS Table 659.09-1 Lawn Mix shall be used.

Payment for this item shall be made on a unit price basis for EACH Sanitary Manhole No. 2 installed and accepted by the Engineer.

**Item 4 – Special, Connection to Existing Manhole**

The price bid for this item shall include all labor, materials, incidentals, and equipment required to core and connect to the existing sanitary manhole in accordance with the plans and Detailed Specifications.

Contractor shall core proposed sanitary sewer connection in the proposed manhole. This shall include the work necessary to core through the bench inside of the existing manhole to the existing flow line inside the manhole. Core shall be smooth to prevent accumulation of debris. If a smooth core cannot be constructed, the Contractor shall remove the existing concrete bench and pour new upon completion of the sanitary sewer connection. This shall be completed at no additional cost to the City. If removal of the concrete bench results in structural damage to the existing manhole, the Contractor shall stop work and notify the Engineer for direction on how to proceed.

Inlet and outlet pipes shall be joined to the manhole with a gasketed watertight connection.

Payment for this item shall be made on a unit price basis for LUMP SUM connection to existing manhole installed and accepted by the Engineer.

**Item 5 – ODOT 614, Maintenance of Traffic, As Per Plan**

Traffic maintenance shall include all labor, signs, radios, and materials necessary to maintain traffic as described in the General Conditions section of this Bid Book shall be in accordance with ODOT Specification 614.

The Contractor must properly close, barricade, and sign any sidewalks, when construction operations will affect safe pedestrian access.

Sidewalk closed ahead signs shall be placed in advance of any sidewalk closure at the last open intersection to allow pedestrians to cross the street following an ADA compliant route. Pedestrian detour signage shall be erected.

All barrels and barricades are to be weighed down. Maintenance of Traffic signage will not be permitted on utility poles.

The Contractor shall provide written notice to each home owner at least 24 hours in advance of any excavation through their driveway and any other disturbance that may affect their ingress and egress. The Contractor shall provide written notice to each business at least 7 days in advance of any excavation through their driveway and any other disturbance that may affect their ingress and egress.

The price bid shall also include dust control, including water and/or calcium chloride, and pavement cleaning, within and immediately adjacent to the construction limits, as directed by the City Engineer.

Maintenance of Traffic for all phases of work shall be included in this item.

Payment shall be based on the LUMP SUM fee bid for this item. Payment to the contractor will be based on the percentage of the contract complete.

**Item 6 – ODOT 624, Mobilization, As Per Plan**

This item shall include all mobilization, permits and start-up costs for the construction of this project, in accordance with ODOT 624. Payment for the pre-construction video-taping, pre-construction meeting and all other project meetings shall be included in the cost bid for mobilization.

Videotaping of project shall be delivered to City Engineer for approval at the preconstruction meeting and prior to start of construction activities. The tape shall include all project limits and adjacent areas, especially driveway aprons, mailboxes, and approaches prior to construction. A still photo for each drive approach shall be supplied by contractor as well.

A 12 month Maintenance Bond will be required prior to issuance of Final Payment. That cost should be considered part of this item.

As-built, red-lined drawings are required and to be included in this bid item.

Partial payment of the LUMP SUM item will be paid based on the approved work done in accordance with the Contract Documents and accepted by the City Engineer in the following categories:

- Submission & Acceptance of Preconstruction Video and other Preconstruction Meeting Required Items – 10%
- Initial Mobilization & Set-up of Temporary Facilities - 25% of Item
- Mobilization during the Project – 40% total and paid per % of work completed
- Cleaning and Demobilization – 10% of Item
- Submission & Acceptance of Redlined As-built Drawings – 5%
- Submission & Acceptance 12-month maintenance bond -10% of Item

**Item 7 – General Allowance**

The General Allowance shall be an amount of \$10,000, to be used at the discretion of the City. The allowance may be used for payment of any unforeseen work items other than as specified or shown on the Contract Drawings and/or work directed by the City.

The allowance will be used to compensate the Contractor for all labor, materials, tools and equipment required for this work or for any other miscellaneous work to enhance the quality of the final product as directed. Authorization for work to be performed under this allowance shall be by written approval of the City Engineer.

The allowance will not be used to correct Contractor's errors or omissions.

At the end of the Contract, all remaining funds will be deleted from the Contract.

THIS PAGE INTENTIONALLY LEFT BLANK



**CONTRACT PRICE:**

The City shall pay the Contractor for completion of the work in accordance with the RFQ/Proposal Documents the estimated amount of \$ \_\_\_\_\_ in accordance with the Bid Schedule as awarded by the City, as included in the Contract Documents, subject to additions and deductions by Change Order.

**Acceptance by Contractor**

Signature of Contractor \_\_\_\_\_

Title: \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

This proposal/agreement is hereby reviewed and accepted by the Wadsworth City Engineer on this \_\_\_\_\_ day of \_\_\_\_\_, 2020 by:

\_\_\_\_\_  
Victoria McCauley, P.E.  
City Engineer

City Project No. \_\_\_\_\_  
Purchase Order No. \_\_\_\_\_

**Acceptance by City of Wadsworth**

This proposal is hereby accepted by the City of Wadsworth on this \_\_\_\_\_ day of \_\_\_\_\_, 2020 by:

\_\_\_\_\_  
Robert J. Patrick  
Director of Public Service

THIS PAGE INTENTIONALLY LEFT BLANK



**QUOTE FORM**  
**CITY OF WADSWORTH, MEDINA COUNTY, OHIO**  
**W. WALNUT ST. SANITRY SEWER EXTENSION PROJECT**

On each unit price estimated quantity item, the "ITEM BID AMOUNT" must equal "UNIT BID PRICE" multiplied by the "ESTIMATED QUANTITY". For example, if the quotation "UNIT BID PRICE" is \$5/Unit and the "ESTIMATED QUANTITY" is 1000 Units, the "ITEM BID AMOUNT" will be \$5,000.00. In case of discrepancy on unit bid price items, the "UNIT BID PRICE" multiplied by the "ESTIMATED QUANTITY" shall be considered as the intent of the Bidder. When the unit is a lump sum (LS), enter the lump sum amount under the "ITEM BID AMOUNT" only.

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT BID PRICE		TOTAL BID PRICE	
				DOLLARS	CENTS	DOLLARS	CENTS
<b>PAYMENT ITEMS</b>							
1	ODOT 611, 8" Sanitary Sewer, As Per Plan	172	LF				
2	ODOT 611, Sanitary Manhole No. 1, As Per Plan	1	EA				
3	ODOT 611, Sanitary Manhole No. 2, As Per Plan	1	EA				
4	Special, Connection to Existing Manhole	1	LS				
5	ODOT 614, Maintenance of Traffic, As Per Plan	1	LS				
6	ODOT 624, Mobilization, As Per Plan	1	LS				
7	General Allowance	1	Allowance			\$10,000	00
				<b>TOTAL QUOTE AMOUNT</b>			

*It should be noted that the estimated quantity, does not necessary indicate the exact amount designated for repair but is to serve as a guideline for the contemplated work. The final quantities to be repaired and/or General Allowance will be adjusted and the areas prioritized to a maximum total contract amount, not to exceed \$50,000. If the \$50,000 threshold amount cannot be achieved, the City may opt to bid this project out.*

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

e-mail and Phone #: \_\_\_\_\_

THIS PAGE INTENTIONALLY LEFT BLANK